

## Ted Wynne Engineering/Contractor, Inc.

417 WELSHWOOD DRIVE • SUITE 114 • NASHVILLE, TN 37211 PHONE: 615- 331-7660 • FAX: 615- 333-0764

April 10, 2002

Mr. William D. Stalker
Market Manager- Large Commercial Products & Services
Tennessee Valley Authority
535 Marriott Drive, HRT108-401
Nashville, Tennessee 37214

Re: Trousdale County High School Harts ville, Tennessee

This office performed a thermal conductivity test on one (1) 300 feet deep, 6 inch diameter vertical bore, backfilled with drilled tailings, March 27, 2002. The following information was derived from test data:

Thermal Conductivity
Ground Temperature

1.55 BTU/HR-F

59.0 F

We feel that based on our observation of the terrain, the test hole location is representative of the area where a field of Vertical Heat Exchangers will be located for this project.

The driller's log is enclosed herewith. According to the Driller's Log submitted to our office the bore hole penetrated no water source.

Please let us know if any additional information is needed.

Sincerely,

TED WYNNE ENGINEERING CONTRACTORS, INC.

Ted Wynne, P.E.

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## Mid-South Goo & Water Resources, Inc.

## WORK ORDER

P.O. Box 297 • Lebanon, TN 37088-0297 Phone: (615) 444-0423 • Fax: (615) 444-0427

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		Date
ob Hartsville School		Phone
Address Hartsville, T		County Trousdale Co.
	Complete Drilling	
	Depth to Rock	
		Bit Type/Size
		Quality Water
DEPTH	•	MATION
0 - 24 Pt.	Dirt.	
24 - 35 Ft.	Dirt	
35 - 37 Ft.	Cave	
37 - 50 Ft	Light Gray Limestone	
50 - 100 Ft.	Light Gray Limestone	
100 - 125 Ft.	Medium Gray Limestone	
125 - 150 Ft.		
150 - 200 Ft.	Dark Gray Limestone	
200 Ft	Small amount Water	
200 Ft 250 Ft	•	
250 Ft 300 Ft.	Dark Gray Limestone	
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